



A
WORTHY
vvorke

Profitable to this whole
kingdome.

Concerning the mending of all high-waies, as al-
so for waters and Iron workes.

By *Tho: Procter* Esquire.



LONDON

Printed by E. Allde & are to be sold at his house
on Lambard-hill, neere Olde-fish-streete.

1607.

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By the Author Himself.



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Printed by E. Alcock, at the Golden Ball, in St. Dun-
stons Church-yard, 1687.



To his moste excellent Maiestie con-
cerning these proiects of the Author.



Y knowledge true I did preferre,
unto your highnesse proiects three
Of mickle worth exceeding farre
the subtill sleight of Enmitie.
Shee seekes my truth for to suppressse,
And I to Wisdome for redresse.

Where reason is by knowledge found,
your highnesse pleasure to fulfill:
Extending many a thousand pound,
in secret knowne to Arte and skill,
Should single wits there iudge or deeme
where knowledge wants or hath not beene

I am not of that learned lore,
of Riplie, Kellie, and other moe:
Whose learned worke are gone before,
figuratiuely, I meane not so,
But plainely in a homely stile,
shewing the truth deuoide of guile.

In plow-mans painefull toile,
my skill is something good:
And in the arte deuoide of guile,
my minde not wauering stood.
Loe yet my heart could not discearne,
by glosing wordes that skill to learne.

To his most excellent Majestie.

By duty I doe bow and yeelde,
by rigors rage I nothing see:
By guilefull guiftes that hath been sild,
brought to the baites of flatterie:
My sight not dim, though blinde I am,
and lues on earth a simple man.

I am not knowne, nor will not be,
but as the Bird who seeth the net:
I fall into each ieopardie,
and none but God the same can let,
Therefore good King know most iust,
in God above I put my trust.

For if with golde I had beene fedde,
my sellse had had a passing parte:
And eke my senses had been led,
from learning of that noble arte
Of knowledge, which so many knowe,
unto the end it proues not so.

For knowledge is a secret thing,
and knowledge is a vertue great:
And knowledge doth make wisdom spring
and knowledge tis wherof we treat.
The loue and life of euerie thing,
with due obedience to our King.

Blisse-full thy hap, thy life, and eke the daies,
as Dauid did to God, giue thou thy praise,
Who was, who is, euermlasting seeing,
Ruies Princes dead, and those now aliue being.



*A Description of the manner how to
mend high-waies.*

His Treatise & discription of High Wayes, for these partes of his Maiesties Kingdome of Greate Brittain, With their diuers and seuerall plat-formes, frames, order, and manner of making of them, whereby all the said high-waies shall or may bee made more sound and strong, pleasant, and comfortable for all maner of way-faring iourneying, or traueling with Cartes and carriages, or other waies by these said highwaies, All which is heerein plainly laide open and made manifest by Thomas Proctor Esquire. In this his Treatise is set downe for the generall good and helpfull instruction of al Countreine, & for al places, and chiefly and mooste needefully, Where

A Description of
there is greate lacke and want of good
waies, and where there are verie little or
no good waies made: as in Holland in
Lincolne-shire & such like: and to the dayly
continuall great grieve and heart break-
ing of man and beast, with charges, hin-
drances, wearing and tyzing of them,
and sometime to the great and imminent
danger of their liues, and oftē spoile and
losse of goods, and also in some places else
where, great hurt and spoile of Fences
and groundes, with riding and going o-
uer the Corne, and such like, by shifting &
seeking the best way diuersly: all which
by these meanes are, or may bee remedied
and preuented: And although it may be
that in the foresaid places, or some of the,
there hath bene bestowed the yeaerlye
great allowance of so many yeares past,
with the yeaerlye labours and charges
thereof, and thereto by the lawes appoin-
ted and provided with the beneuolence of
so many well disposed persons, descea-
sed, which haue giuen for and towarde
the making, mending, and repaying of
high waies, in diuers and sundrie places
of this his Maiesties saide kingdome,
with

mending highwaies.

With diuers other voluntarie helpes, besides, the saide greate allowance of men, and matter fitting to these yearelye and common daies labour and workes, &c. The aforesaid considerately looked into, he findeth no reason why there should be any ill waies. Notwithstanding, all which, or much thereof hath been bestowed to little or no purpose, but much thereof utterly lost both cost, worke and stufte, for want of meete matter, or orderly manner in disposing the same in their saide workes, as appears too manifestlye in moste of those their works at this day. And as he by his practise and costs, hath found true and prooued: That the labour of twentie fixe able persons, that are readie in their worke, and well disposed thereunto with pick-axe, spade shouell, rake and rammer, chipaxe and Augur, to be chosen and taken out of euerie parish, and so forth generallye out of all such numbers, of all vsuall and common daies labours, &c. Orderlye to bee set to worke in this his manner, with their carts & carriages according, with some boyes and maides to helpe, where cause requires,

A Description of
requires. shal or may suffice to make half
a furlong yearelye, and as much good
and faire way, and dispatch them, to the
bettering of the worst and foulest waies
to be made good and strong in euerie pa-
rish, as twice so manye should or could
haue done heeretofore in this proportio-
ned worke and orderly manner without
this saide prescribed manner and order
heerein made knowne. And heere withal
is to be remembred that one principal and
chiefe cause of al bad and foule waies is,
that the raine water or other water doth
lye and rest vpon y^e highwaies (not order-
lye and soundlye made) which with the
working of cart wheeles & others, dooth
peirce downe more deeper into the saide
waies, and so more and more doth soften
and rot the same, as by dayly experience
is scene and knowne. And also that the
ditches and common showers are not
yearelye clenched so as is needfull, which
are the best helpes to drawe and dreane
the waters off and from the moste parte
of all highwaies and groundes (as in
reason there should bee) and by his Ma-
testies lawes ought to bee done; which
not

mending highwaies.

not hauing beene done orderly is one reason of, and wherby much of their former labours and charges with their waies and works are wasted, as aforesaid, and little good way to bee found, whereas these foresaid thinges otherwise prevented, then once well made and stronglye done, though but a furlong yearelye in euerie parish so to bee made, so as one parish may bee helpfull vnto another next adioyning with men or mony, of the surpussages of other greater parishes, to supplie the wantes of the lesser parishes, at the rate heere in this his book expressed so as by help one of another, there may easilye bee performed yearelye fortie rodde at the least in euerie parish, and so yearely by little and little heereby all former labours & charges which haue vnprofitably beene wasted, shall bee cut off, and all such future labours and charges shal be prevented and saued to some needfull and profitable vles: For this saide worke once well made and done, must needes be better and cheaper, then verely still a making and doing, and neuer well made and done, so as it ought to bee, and

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as

A Description of
as is by the lawes therfore appointed, in-
tended and ment.

3
The neglect and necessitie wherof, and
the loue to his country in this his last age
and yeares, hath inforced him hereunto,
out of his care, charge, paines and practi-
ce, to make known the same. The effects
whereof dooth and may appeare with o-
ther his studies & labours for the general
good of all in this his booke duelye or in-
differently considered, to the making and
bettering, as is aforesaide of all high-
waies, thereby to be made more sufficient
and durable, more easie, with much lesser
matter, stufte, charges, and expences the
euer heeretofore hath beene done (by their
common daies labors) which by Art and
action doing, wil & may cut off and saue
very much of the yerely charges & labors
of former times and works, as aforesaid.

First therfore a platforme and founda-
tion must bee cast & made in cawly wise,
that is to say, to be made a rodd broad at
the least, wherupon two carts may meet
and passe one by another. & on either side
the said cawlie of that bred h, to draw a
ditch of 3. foot depth, & 4. foot broad, & that
earth

mending highwaies.

earth which shal be so digged, must be cast
by frō the said ditch to y^e midst of y^e ca^usie
of a rod broad proportionally, that the
middest & height of the said way may bee
in bredth one yard, & higher by two foote
in the midst, then at the outward sides or
edges of the same: the higher y^e midst and
lower the sides, the drier and better way
to void the water, which water is the on-
ly rotting and spoiling of al high waies,
and the ony losse of al charge and cōmon
daies labours heretofore y^e no good way
hath been made and continued for want
of true maner and forme, and due conside-
ration hereof in their former works.

Secondly this ca^usie, if it be of a clayish
soile, or of such like slimy or spungy earth,
it must be wrought and cast vp in y^e win-
ter season, that it may haue time to settle
and ioyne firmly and soundly together, &
so being cast and made as before said, that
no carts be suffered to passe vpon it, til the
spring time, or that the earth thereof bee
drie and hard, for marring and breaking
his shape and forme made as before-
saide, for if in Summer it shall bee
caste, it wil rise in such hard clottes and

A Description of

tough greate lumps, as will hardlie
with greate labour and much ramming
bee digested and brought to a good foun-
dation, but at a far more greater charge
then the before said. When the earth is soft
and kindly to digge and ioyne together.

The Which thus cast & made in Winter
as before, besure the that your forenamed
ditches on either side the saide Cawse be
so artificially and hansomely contrived,
made and clenfed of filth and soile, that
the raine Water Which shall fall from the
said Cawse, may haue a speedie Current
in those ditches, and so falling into ditch-
es Which must bee made by some good
iudgement of Workemen, or other instru-
ment to that purpose, that the said Water
from thence may haue a good and speedy
passage to the next ditches, and so from
ditch to ditch, gutter to gutter, or other
conueyances of Water to the common
shoares, and so to the next brook or maine
streame adioyning to the saide Workes or
any of them.

Thirdly, if your ground or earth in a-
ny of your waies to be made, bee garden-
like moulde, soft, sandye or crumbling, or
such

mending highwaies

such like short earth, then will that sort of earth with small labour of ramming of it selfe, with treading and going vpon it in their labours & workes, settle and loyne soundly together, and especiall ye after some good shewres of raine fallne thereupon, which then will be a good foundation presently, to frame and binde in with Timber, woodrailes or poles, as to place, lay, fill, and couer with stones grauell, sand, or small wood to be cut of Billet or faggot fashion, or anye other hard or drie matter to bee had or made by art or otherwise (according to the plentie or necessitie of euerie soile and place) as in Diuers, and in euerie sundrie seuerall manners, sorts & formes of works and workings, in this his booke is declared, shewed, and plainly set downe in their places for euerie one to follow and worke thereafter accordingly: al which manners and emptie places of all those wood frames you do vse, must be filled as you see, either with wood, stones, Iron-cinders, Iron-stones, Seauel stones or other, & so filled. Lastly to be well couered ouer with smal grauel, rubbish or sand, or anye other

A Description of

stones broken smal. And here is to be considered, that in every parish one with another there are to be estimated of unspeakable or unknown numbers of householders plowes & carts to be rated at three shillings every cart, and therefore so many men for their worke of high waies, to be rated but at 8. pence every man the day, besides the help of women and children, fit to serve in this worke as heretofore have done, for gathering of stones and carrying of matter and stuffes with bowles, creeles and baskets & such like, for to fill hollow places according to their accustomed & verely vsual maner heretofore in repayring of high waies, which verely amounteth to a great summe.

From amongst which numbers of householders, plowes and carts before said, are to be chosen or made for this worke two and fiftie men, with 12. carts, and 12 men part of y^e said 52. for the service of 6. daies to bring in matter and stuffe likewise according to the custom of the verely repairing of high waies in every parish, and that the every cart & mā so serviceable in these workes, to be rated for their 6. daies labour,

of mending Highwaies

labour, but as aforesaide, after three Willinges the day for euerye cart so seruing, and the rest of the said labouring men being ³⁸ to be rated as aforesaid after eight pence the day, of which number of ³⁸. there must be ²⁰ at the least of verie sufficient able men of some good iudgement in their own labours: If such bee wanting they must be chosen and hired to doe such work as y^e surueyor or surueyours of y^e said work, shal direct & appoint in euery parish according to these his rules in this his book vnder writte. Likewise out of y^e said rest of ⁵². now remaining, being now but ²⁰. ¹². must be sufficient laborers with shouels, pickaxe and spades, for making and fitting the saide platforme and foundation in manner and forme (as before said) to be readie for the second work, to be laid, made and framed vpon, to bee filled with earth, and fast rammed for shrinking.

These last before said, ²⁰. such able men will digge ditch, cast, leuell, plaine, and make readie, and finish fortie rods, which is a furlong in all the saide five daies, according to the Statutes heeretofore made, of and for the workes of euerye yeare,

A Description of

yeare for euerie parish yearely this work during, but seauen or tenn yeares space, which after the saide accompt of fortie rodde in euerie parish yearely to bee wrought and made as before saide, will make good, fil, and dry vp al foule, hollow & bad places with a small perelpe charge and labour to bee maintained, passable, good and faire for euer after, where heretofore the labours and costs of such great numbers of householders plowes & carts for these fiftie yerres past haue beene spent and losse, and little or fewe good waies made in any such order, maner and forme.

If the ground, soyle, or earth bee clayish, or destitute of stones, a binding must needes bee made for this worke of wood, framed and made & likewise filled with wood, as appeareth by the platformes heareafter described : That is to say, poles of young wood, or rayles of bale Timber, of length eighteene foote, and in thickeesse or compasse round about some ten or twelue inches one with another, or lesse where wood is scant, & if they shall lacke of that length, to take two shorte, to make one longe, so as when they are framed

mending highwaies.

med and made fit, and pinned down With stakes With wodden pins through them, they may be a rod square at y least Within the said frame and crost With such like timber made fast as is needfull, according to the platformes and sundrie maners of Workes and Working in this his booke plainly set doWne.

Also it is to bee considered, that if anye such matter & stufte fit for the said Work, cannot bee had Within two miles of the said Worke, as is moſte commonly to bee had Within that compasse in moſt places & parishes therabouts, being diligently sought for, yet neuertheles ^{12.} cartes Will suffice Within their sixe common daies labour, at two miles off, to bring in sufficient loades of such matter of stones, wood, or other drye or hard matter, as Will performe the yearely accomplishment and finishing of one furlong of the worst way euerie yeare in euerie parish, being fortie rods a yeare: and if it be at a mile off, or from the Worke, then sixe cartes Will performe as much as the other twelue: if but at halfe a mile from the saide Workes or Cawſie, then three cartes are able to performe

C

forme

A Description of

forme the saide carriages, as in stonye or wood countries, where such stuffes or stones are neare at hand. And then there & in such places, so much money, labours & charges is spared & gotten after three shillings in euerie cart by day, more then in other parishes, where it is not so easie to be had, and so likewise in the mens labors of euery houlholder after eight pence by day, cōtaining great numbers in their former labours of their said high-Waies, besides women & children, as aforesaid, yerely heeretofore so inconsiderntely consumed and spent: all which charges heereby so saued, some part thereof to bee imployed and reckoned for wood for the said frames and strong binding, and making of the said carwie and high-Waies with their belongings, & all the rest so saued to bee at his Maiesties good pleasure, to whose most gracious fauour, hee humbly submitteth himselte, and to the good consideration of all his louing countrie men, for this his skill and paines taken so diuersly to his cost and charge in setting forth this his manners of high Waies, with his other proiects of water, for making

mending highwaies.

king of anye drie towne to haue Waters brought vnto them, or neare vnto them, or bringing one riuer to or neare vnto another, as Thames to or neare Seuerne, or Seuerne neare or to Thames at an easier rate then any other, for botes, lighters and bardges with their loadings and cariages to passe too and froe with Sea-coales, which are as wel in his maiesties forrest of Deane as in Wales, are plentie to be had neare there abouts, for transportation at a reasonable rate, with other more such like places (as now from Newcastle in way of decaye) and also for making of Iron in quality and quanty good and merchantable, according to the nature of the mine, with a third part of Wood-coles wher it may be spared, or otherwise without any Wood coles at al at greate profit, such as thereon may bee gained, 33. shillings vpon euery tunne, as the prise of Iron there now goeth, or three shillings vppon twentie, vpon euerie retorne where the same shall bee made, for the generall good of his maiesties kingdome and Subiects.

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All which, or any of them, he shall shew
& performe the tryall by actiō & working
of workemen, with cleare appearance of
the benefits and profits thereon, and there-
in to his Maiestie if hee shall bee called
thereto, and thence to any other that shal
desire to be satisfied therein, that shall bee
fit and furnished therefore.

A tryall and true performance of all
the before said, may bee made vnder sixtie
pound expences fully to satisfie, every
one of capable vnderstanding.

These being true, as true they be,
not set to worke is great pittie,
But scorne and blame such workes they haue,
where enuie knowledge doth deprave.

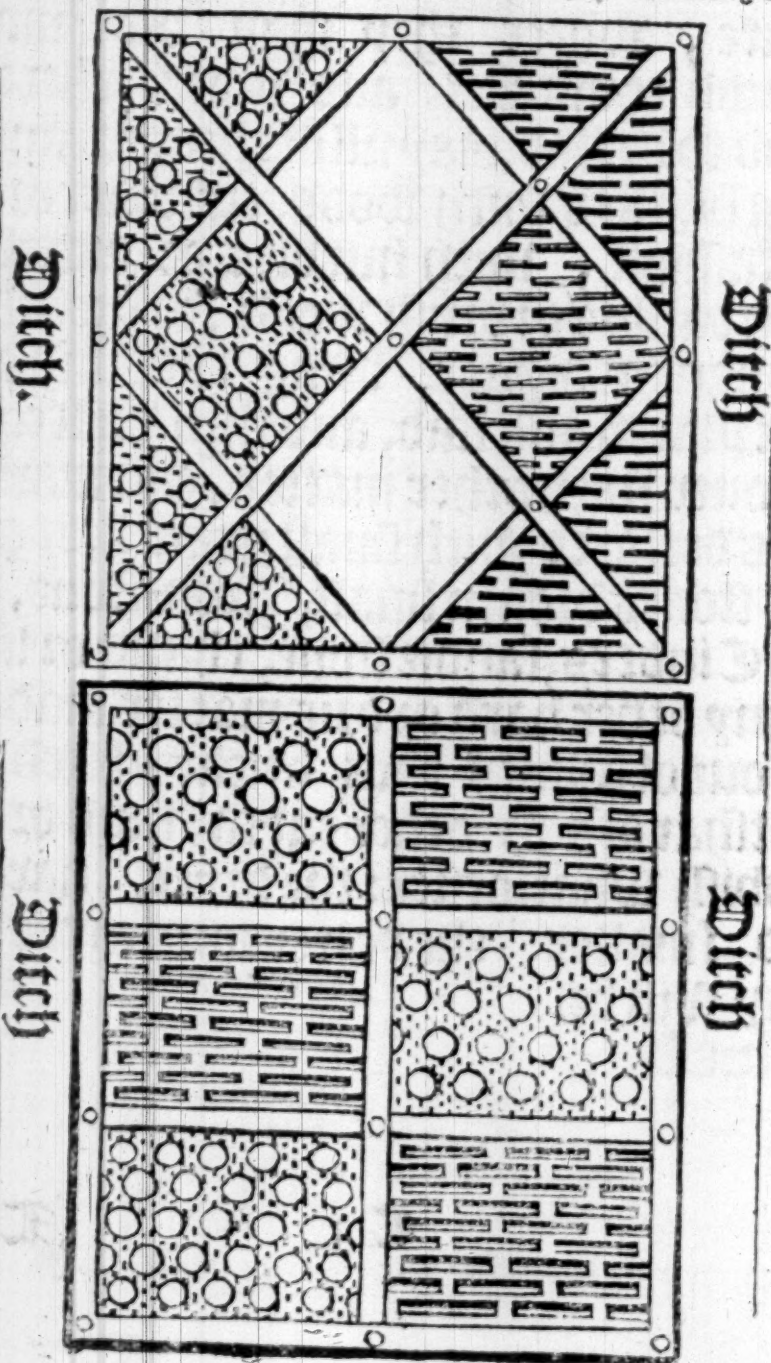
These

mending highwaies.

These frames hereafter following
(beeing made of Wood) Doe represent
euerie one of them a rodde of ground
square , Where they shall bee made
in Wood countries, and Where there is
Wood to be had, may all of them, or any of
them be filled With Wood, cut billet or fa-
got fashion , With hurdles or Wattles,
With baulms or brush Wood , or such like
for Want of bigger, being unbound and
Well placed and laid, and then Well coue-
red ouer With other matter , & in manner
as is declared With small grauell, or gra-
uell stones broken small, Iron-stone, I-
ron Cinders, sandie stone, chalke or lime,
or any other hard or drie matter made by
art out of killnes : as bricke , hard tile,
Potshardes or other earth, sand or any
rubbish Whatsoever: the dryer, harder,
and smaller, the better and fayrer the
Way will be.

A Description of

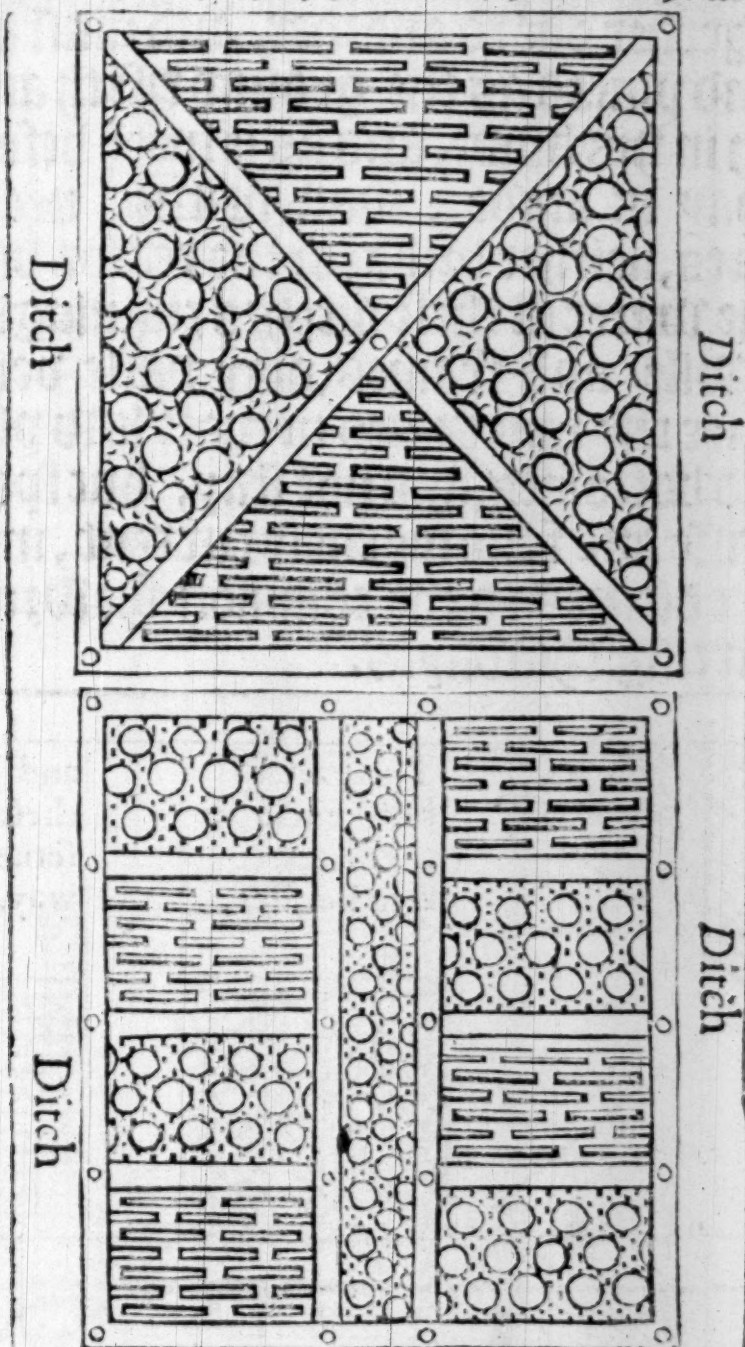
These figures heere vnder, euerie of them representing a
rod of high-way squar, ebound with poles of young wood, or
railes, crossed diuerfly as you may see, are to bee filled with
wth wood, stones, gravel, or such like matter, as best may be had



These

mending highwaies.

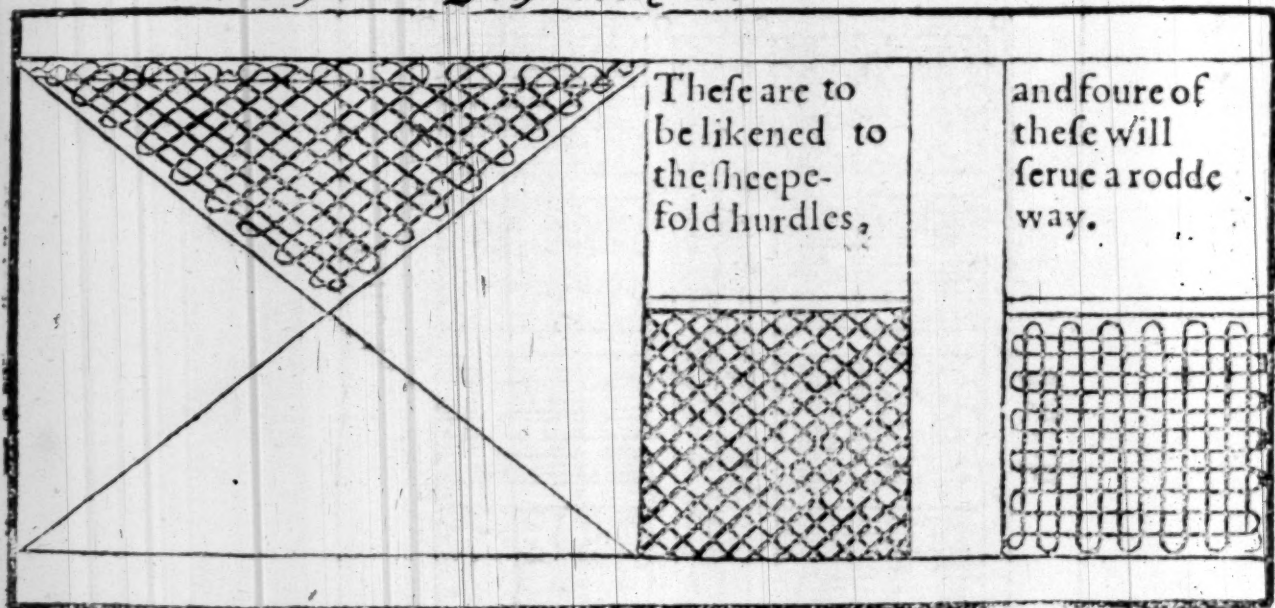
These like wise as you see heere vnder figured, are to be filled with stones or wood, and rammed hard downe as Pauiers doe, & then well ouerconered with gravel, smal stones or sand, Iron-cinders: or other, the smaller, the better the way.



These

A Description of

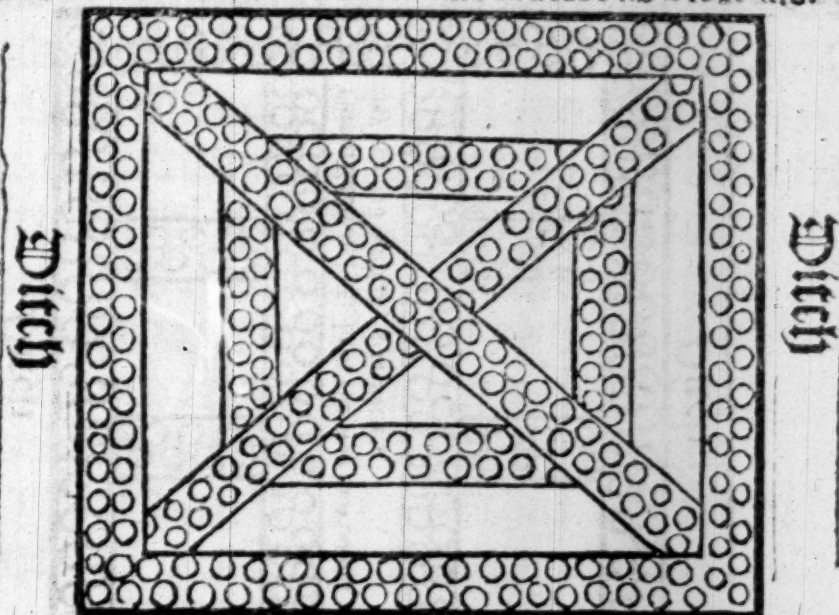
These frames of wood and hurdles, or wattles made of spring wood, are of small price, when they are well made and ioyned together one to another, and must be laid and placed as the ground riseth and falleth in his kinde, and as it lyeth before the way is made, shall neither neede trunckes, neither bridges: the reason being, the water in these ditches running by the cawlie and frames, may passe verie well ouer the said waies in those low places and bottomes, and not stay, but speedily passe and followe their current, into the next ditches to the common shewes, not hurting the wayes.



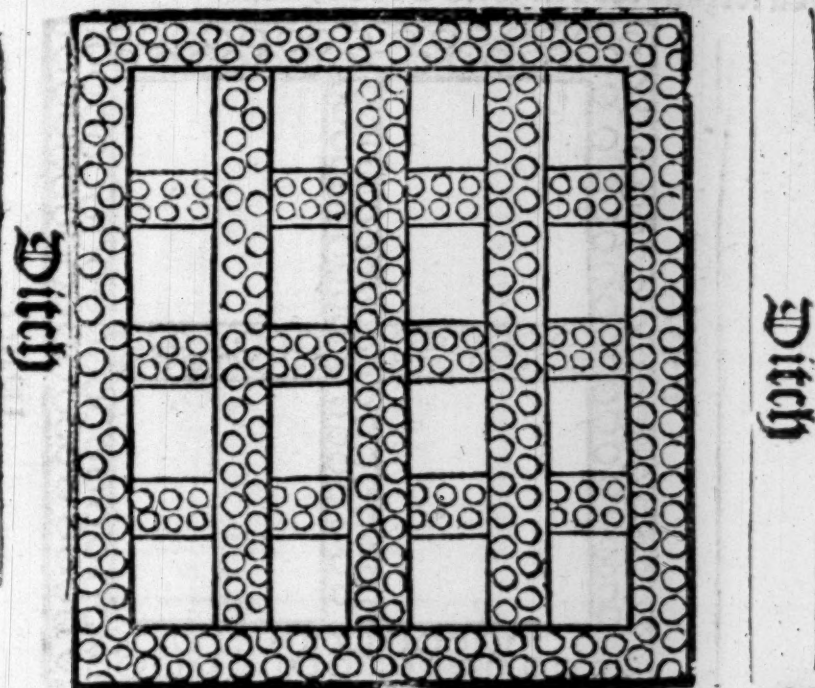
This

mending highwaies.

These frames hereunder bound about, & crossed as you see, is
first to be filled with all stones and covered as aforesaid.



And this likewise bound and crossed as you see with stones,
& the rest of it to be filled as the former, with gravel or other.

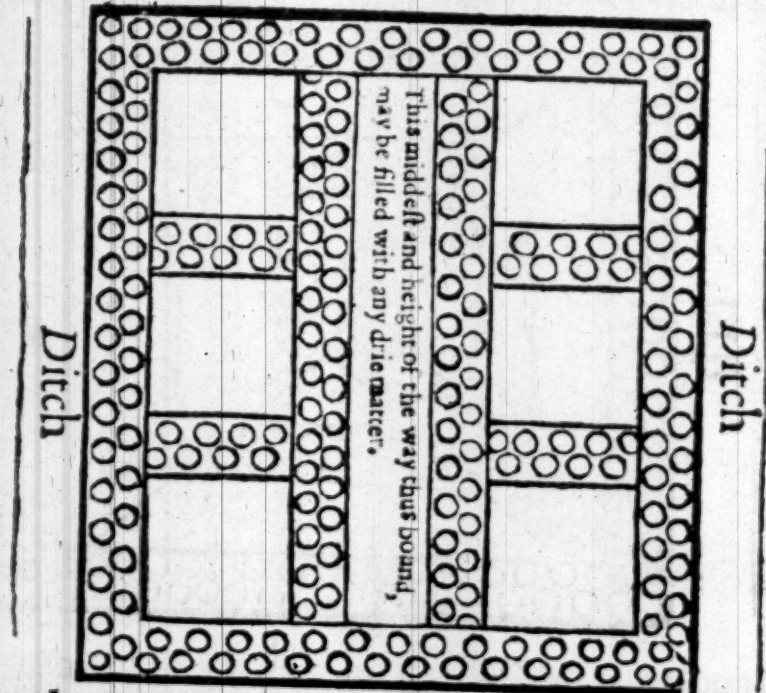


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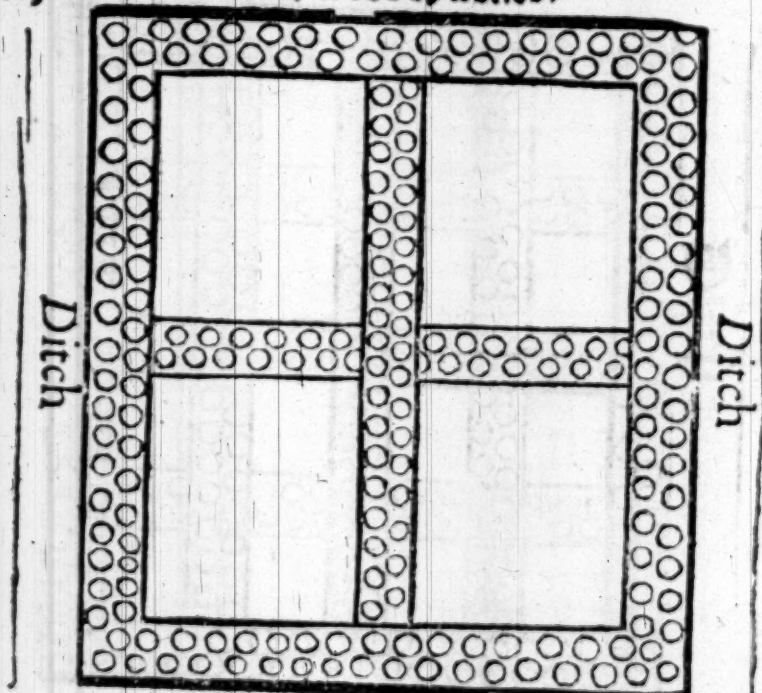
And

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And this frame heere under, is to be laid, filled and covered as the other before.



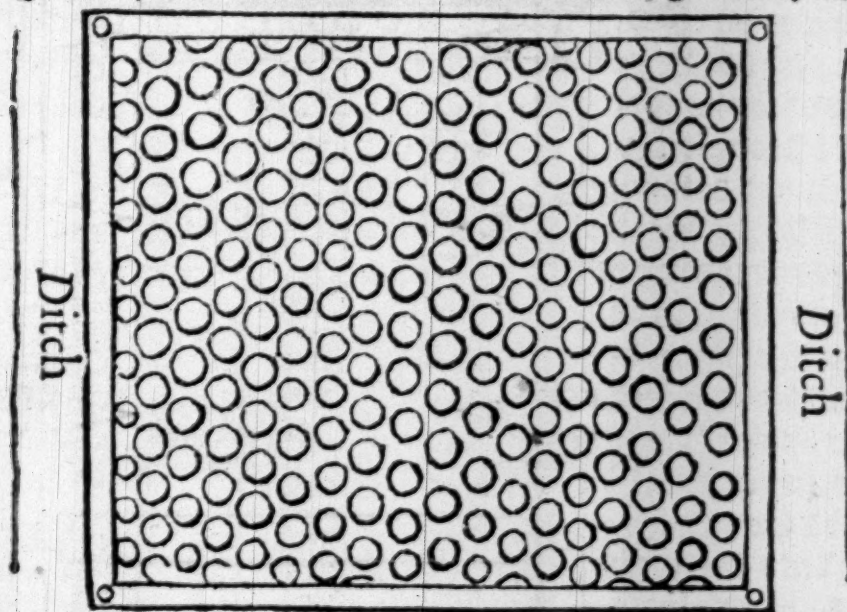
This frame heere-under, as the other above, with stones first as you see, and the rest with wood or stones.



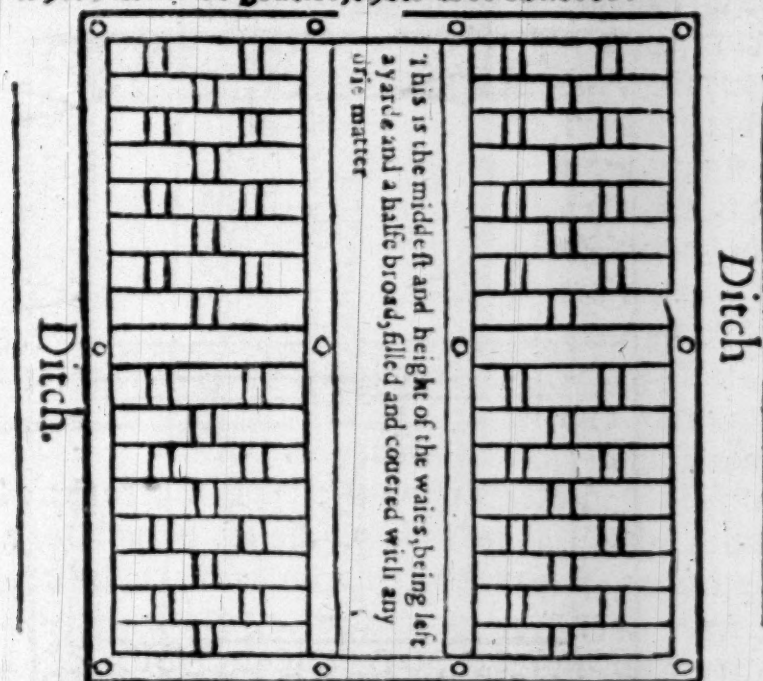
These

mending highwaies.

These frames beer-under, is to bee filled with stones in packing waile as you see, and after couered with gravel o2 sand.



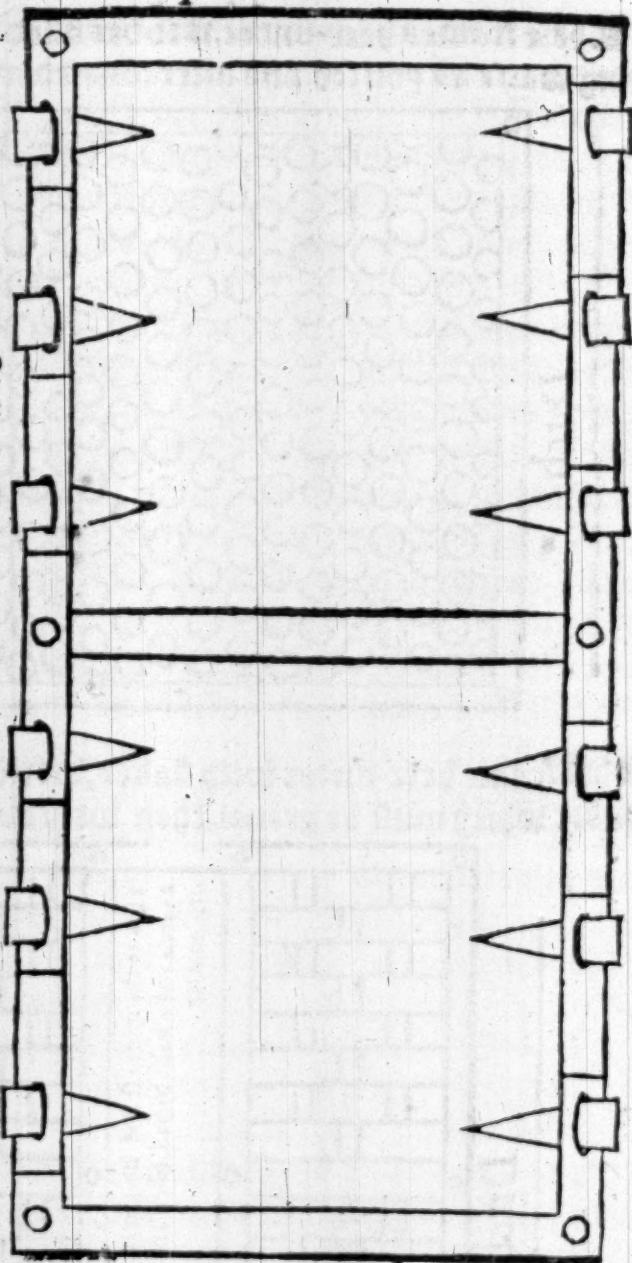
This frame beer-under with flakes, wattles o2 sheep hurdles under which must be gravel, then well couered.



This above of hurdles is an easie, strong, and cheap way, and is good for clayish o2 sponge groundes o2 any other.

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This single frame being onely bound with poles or rales, on the cut sides, as you see of the waye, must be strongly staked & pinned downe, and the filled, spread & covered over with the aforesaid matters & especiallly with Iron-cinders, which will make no ill way; and is so plentifull in wood Countries, neare vnto the high waies, where there shall neede no other matter in those parishes, and wel made, will indure with small repaying, but it must haue manye loads of stones, more matter & stoffe, then any of the before said workes, because it will shrink & yeeld quickely with the water & wheelles, and such like weight of horse and cariages.



And lastly in those Countries and places, where there shall lacke, and is not, or cannot be found, stones, grauell, sand, or young spring wood, to make frames, and to be cut billet or fagot fashion, neither Iron cinders, or anye such like hard and durable matter to fill and cover therewith, as in Holland in Lincolnshire and such other. What there, and in such places, they must make or cause to be made, kilnes like lime kilnes, brick-kilnes,

of mending Highwaies.

kilnes, Tile, or Potter kilnes, wherein they must burne with sea-coales, pees or Turnes, clays or earth, & make hard matter thereof, of hardnesse poterlike: the bigger of which matter shall make the upper part of the way vpon the foundation therof, and the smaller thereof to couer againe vpermoste aboue the other greater before said, and so ramme and settle the same close together, on their high-waies there & in such places, where their greatest care in their woorkes must be to leaue their waies high in the midst, and so curen and handsome, that no raine-water or ouerflowinges shall carrie or abide vpon their cawse or high waies, but fall speedily into their ditches, as is moste meete and prescribed to all high waies, and in these places, and in such like, where there is little wood or none to bee had for helpe thereof, it shall bee verie good and profitable that there the inhabitants or dwellers neare, or other waies shall plant & set young plants of willowes or other, as shall bee most meete or fitting therfore, al along by the sides of the said high-waies and ditches, which will growe and yeelde in short time, yearly helpe to the mending & repaying of the same said high waies, wattles and with hurdles.

The benefits and profits that shall or may arise vnto his Maiestie and subiects, here by art and action doing, if set on worke accordingly.

His Maiestie by his moste royall authority, and there vnder this prescribed manner, to bee perfozmed and done, Where shall be good & faire wayes made, which since the making of such good lawes, hereto these so. yerres past & moze, hath not beene made and done accordingly, so as is now hereby taught and set forth how to be done, and moste of them may be finished within the time prescribed, or thereabouts: where by from henceforth may bee saved manye thousand loades of matter and stufte, charges and labors, and so thereby and there through many thousands of pounds yearly, If but rated after thzee shillings for euerie Cart, out of such numbers as are seruiceable to this said worke, by his Maiesties Lawes and Statutes appointed. And likewise, if but after 8. pence the day for euerie man, out of the aforesaid greates numbers

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bers so seruiceable as beforesaid, & yet notwithstanding sufficient left for the verely repaying of the said waies for ever, and the rest so saved whatsoener, may be otherwise necessarily employed to other uses according to his maiesties good pleasure, or as shall be found most meete by his maiestie, and his moste honorable priuie counsell.

Also for waters, Riuers and their benefits.

These saide waters or small riuers made for Boates and lighters to passe, that is to say, from one riuer to or neare vnto another, or from one Cittie, towne or place, too or neare vnto another, or into one another, where the same shall bee found meete and needfull: as from Thames too or neare vnto Seuerne, or from Seuerne to or neare vnto Thames, as also from Sarisburie, Stampford, North-hampton, Berry, Wakfield and Leedes, or Oxford, as also from the riuer of Lee, neare vnto Stock-bridge, to or neare vnto Clarken-well lying, and being on the north side of London: all which or any of them may be done accordingly, and any of the which he will undertake to doe at an easie rate, and better cheape then anye other shall doe, not vsing his way and manner. For that hee seeth in other mens woorkes, labours and manner, much vnprofitably spent, which may and might be spared and saved, all which the generall and necessarie uses whereof are many: as for transportation and carrying of coales, Sea-coales, wood, Leade, Iron, cozne and graine, Flaxe, Hempe, Wollen and Linnen cloath, with many diuers and sundrie commodities, whereby a custome or rent may growe vnto his Maiestie, and ease of charges & benefit by charges, & other benefits by interchange of commodities to diuers Townes, Vires and places, whereby men enerie where may be stirred vp and prouoked neuerly to seeke and finde out such commodities whatsoever their Countre shall affoord and bring forth to the profitting of themselves and others, And also by this meanes, that carried for five shillings, which now vpon euerys tunne carrying costeth twentie, which then there shall or may be saved to help them vpon their commoditties. The greatnes of the manifold benefits, that heereby shall, may or might growe, hee leaue to the good consideration and profound iudgement of the best
and

of mending Highwaies.

and wisest, & to the good understanding of all in generall. The said rivers or streames wheresoever, to be made a rodd or pearce broad at the least, at 250. pound a mile, or better cheape, as befoze said: not offending, impeaching, or hurting Mills, dammes, weares or streames or fishings, neither overflowing any mans grounds otherwise then their ordinary courses or passadges, but rather bettering these mens grounds divers waies, thozow which the said waters shal passe, to the multiplying of water to the said Mills and groundes in Summer, & in drie places and seasons, & multiplying of fish & foule: and vpon agreement or reasonable requeste made, he shal and will be readie with one of his Sonnes, named Elias Procter, of good & sufficient skil, & experience in the said works, or one of them, vpon some conuenient warning giuen, or procurement befoze made, to come & to shew & make and set forth the saide water courses, or passages, or any of them, so: the better satisfying of the rodd by rodd, how & which way y same shal or may be done, whereby the owners thozow whose grounds y same shal passe may be agreed & compounded with therfoze, yielding him or them but reasonable & necessary charges for the, their man & horses for their comming & going for some 15. daies or therabouts, as shal be found but meet and reasonable.

These hereunder doth declare & make known the benefits & profits that shal or may arise vpon the making of yron, if the same shal be made with & after the direction of the said Author in act & action, with true performance accordingly.

First to make Iron with a third part of wood-coales, where spring woods are, and may be spared for the benefit of the owners, or else to make Iron without any wood-coales at all, where there shall arise profit vpon the work and making of good and vsuall marchantable Iron, according to the qualitye of the mettle of the mine there, to euerie one, or to any one that shall lay in and employ stocke and money thereon to all needfull and necessarie vses fit and meete for the same, vpon the returne of euerie tunne so made, 20. shillings: or three shillings vpon the returne of euerie twentie shillings so wrought and made into Iron, as befoze saide, of cleare profit, after the rate as the ordinarie price of Iron there now goeth, where the same Iron shall bee made or wrought, and so much Iron weekely there to be made, wrought and laide by, to bee deliuered orderlye to secure and benefite the said stocke and worke, weekely after that rate, and to counteruaile, free, and discharge all other the ordinarie weekly charges, that shall bee employed & dispensed therein, with the profit thereof and thereunto due, and so forth from weeke to weeke from time to time forth and forwarde according: the said stocke so continued, and the worke still reuiued, and going forwarde. And so hee shall performe vnto the saide worke and profit yearelye the same

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To his Maiestie for Farme or Rent.

Where any such worke shall be builded, erected, and set vp
vpon his maiesties waste lands or commons, with water and
water courses, Fuell, and Iron-stone, and for peate and all o-
ther necessaries fitting thereunto, to make rawe-Iron, bare-
Iron, as is saide, and for farme rent twentie pound a yeare,
yearely for the said farme, whereas now there is scantly anye
thing at all to bee had or made thereof: and likewise to enerie
Lord or owner for farme, as beforesaid vnto his Maiestie 20.
pound the yeare for such like farme and necessaries, where
now there is scantly raysed any rent thereof at al. And lastlye
the Authoꝝ, explainer and maister of these his proiects, think-
eth and esteemeth himselfe worthe vpon perfoꝛmance of the
surplusage whatsoeuer of the profits of this his proiect ouer &
aboue as aforesaid, or some certaine yearely stipend as shal be
thought reasonable therfoꝛe, and what other imposition, bene-
fits and profits may heareby grow & ensue to his maiesties
kingdome and Subjects, humbly submitteth himselfe
and all the rest to the iudgement and considera-
tion of the best and moſte worthyest
to censure and deter-
mine.

FINIS.



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